

CLAIMS

1. Device associating a container with a device for storing and consulting data necessary, in particular, for monitoring the content of the container, constituted of at least one electronic chip affixed to a flexible support (2) comprising an antenna that is integrated or connected electrically, either to an attached antenna or directly to a computerized device, or of a rigid electronic memory card (9) that is capable of communicating with computerized systems, either by electromagnetic waves or by direct electrical contact, via appropriate interface devices, characterized in that the container is associated with at least one electronic chip via a flexible support (2) and/or with at least one electronic memory card, which is affixed to the container by fixing means possibly combined with means for protection against the environment of the electronic chip, the electronic chip being capable of being possibly separated from the container by separation means, while being capable of being possibly associated with a sample of the content of the container by retaining means.

2. Device according to claim 1, characterized in that the flexible support (2) is confined in a sealed compartment (3) constituting a protective means which is manufactured concurrently with the manufacture of the container (1) to which it is affixed by the fixing of the second film (7) on the first film (4), which can be obtained by welding, or by adhesion, or by sewing, constituting one of the fixing means, after positioning the flexible support (2) on the film (4) in the area provided to form the sealed compartment (3) being capable of being separated due to a precut (58) constituting a separation means.

3. Device according to claim 2, characterized in that a container (33) comprises an associated compartment (34) that serves as a support to an adhesive flexible leaf (35) confining the flexible support (2), whereas the associated compartment (34), which in addition can be detached from the container (33), comprises an opening (36) in which a flange (37) can be inserted, thus constituting a retaining means.

4. Device according to claim 1, characterized in that the flexible support (2) is confined in a flexible bag (38, 42, 55) constituting a protective means obtained from films made of plastic, separately from the container, and the flexible bag is then fixed directly or indirectly on the container.

5. Device according to claim 4, characterized in that the flexible bag (38) comprises an adhesive product on one surface (40) which makes it possible to fix it directly on a wall of the container (39) or indirectly on a label (41), which is itself fixed directly on

the container (39), thus constituting a fixing means, the flexible bag (38) being capable of being detached from the container (39) by separation, the adhesive portion (40) of the flexible bag (38) being capable of being used to fix a flange (37) which can also be possibly introduced into the flexible bag (38) after an incision has been made therein.

5           6.       Device according to claim 4, characterized in that the flexible bag (38) can also be fixed directly or indirectly on an associated compartment (34) to the container (33).

7.       Device according to claim 4, characterized in that the flexible bag (42) is fixed by its edges (43) on the container (44), either right in the middle of the wall (45) of the container (44), or on the edge (46) of the container (44) at the same time as the edges of  
10       the wall (45, 47) of the container (44) are fixed to one another, such that the flexible bag is either on the inner side or on the outer side of the container (44).

8.       Device according to claim 1, characterized in that the flexible support (2) is positioned in a sheath (48) constituting a protective means, which comprises transverse welding strips (51) on both sides of the flexible support (2), and possibly precuts (59)  
15       constituting a separation means, the sheath (48) being welded to the container (49) at the same time as the edge (53) of the container (49), at both ends (54, 55) of the sheath (48), which constitutes a fixing means.

9.       Device according to claim 1, characterized in that a means for fixing the electronic memory card (9) on the bag (10) is constituted of a fixing device (25) passing  
20       through the hole (12) made in the bag (10) and the hole (13) made in the electronic memory card (9).

10.      Device according to claim 1, characterized in that a means for protecting the electronic memory card (9) is constituted by a sheath (18) that covers the electronic memory card (9) after each use.

25       11.      Device according to claim 1, characterized in that a means for protecting the electronic memory card (22) is constituted of a sheath (24) affixed to the bag (19) formed of two flexible walls (20, 21) closed on three sides and comprising a hole extending through the two flexible walls (20, 21), making it possible to maintain the electronic memory card (22) sandwiched between the two flexible walls (20, 21) by a fixing device (25).

30       12.      Device according to claim 2, characterized in that a means for retaining the flexible support (2) consists of providing the pipe (5) with a sheath (26) on which the portion of the films (4, 7) constituting the sealed compartment (3) is fixed, and after the donation, hot pressing the pipe (5) on both sides of the sheath (26) to obtain a flange.

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13. Device according to claim 4, characterized in that the flexible bag (55) is fixed on the pipe (57), either by welding, or by an adhesive product constituting a retaining ~~means.~~

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Abstract

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